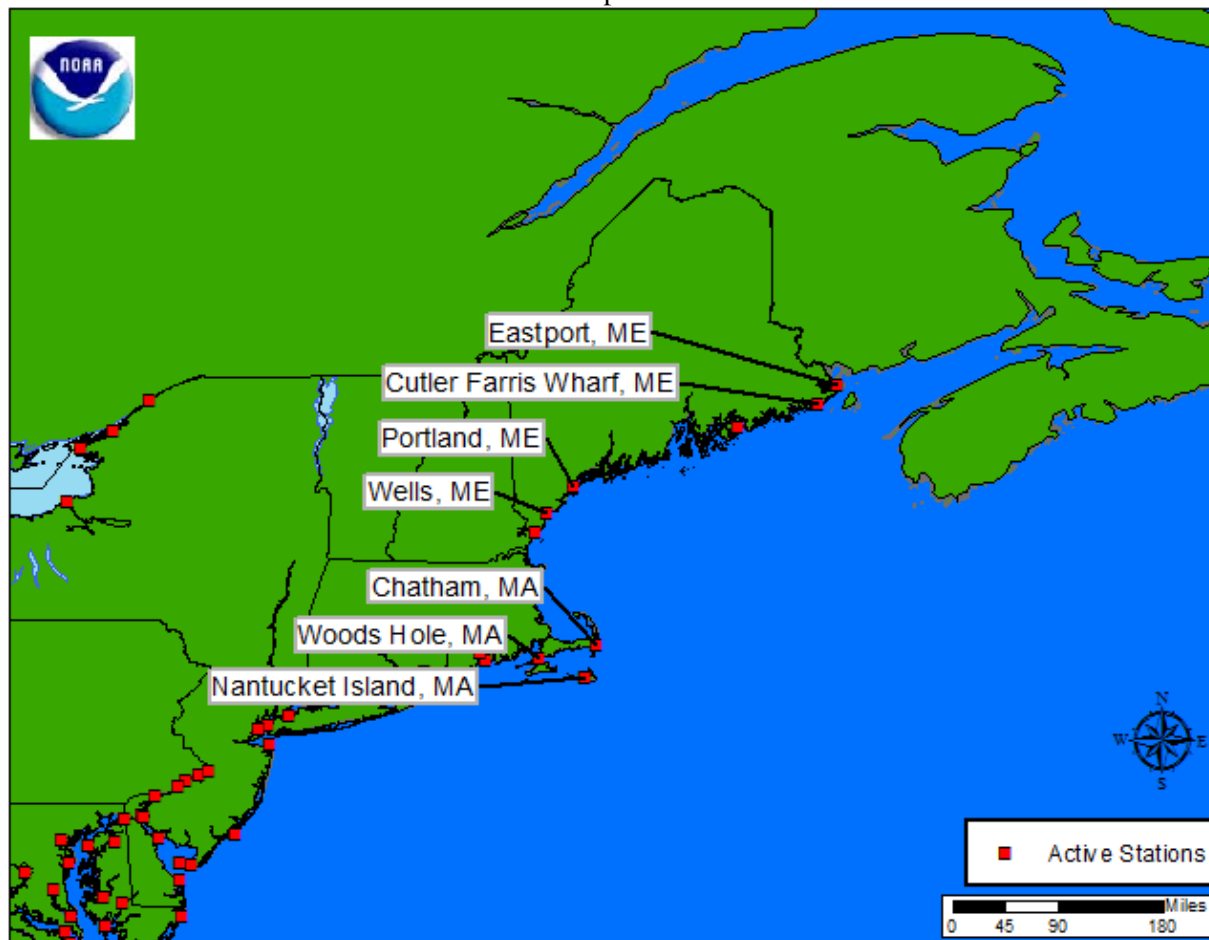




Tropical Storm ARTHUR QuickLook  
Posted: 06:00 EDT 07/05/2014

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

**No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. coastline or its territories.**

Arthur has now weakened to a tropical storm and is moving at a fast pace as of this posting, currently in the Gulf of Maine. At this time, water levels are running no higher than 1.0 feet above tidal predictions from SE Massachusetts up to Eastern Maine. Barometric pressure is beginning to increase in Massachusetts while it is still decreasing in Eastern Maine. Winds are gusting up to 25-40 kts along the coastline of Maine early this morning.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

Tropical Storm ARTHUR QuickLook, POSTED 06:00 EDT 07/05/2014

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: CRD

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ARTHUR  
ADVISORY NUMBER 18

500 AM EDT SAT JUL 05 2014

...ARTHUR LOSING TROPICAL CHARACTERISTICS...

SUMMARY OF 500 AM EDT...INFORMATION

-----  
ABOUT 65 MI SW OF YARMOUTH NOVA SCOTIA  
MAXIMUM SUSTAINED WINDS...70 MPH  
PRESENT MOVEMENT...NE AT 22 MPH  
MINIMUM CENTRAL PRESSURE...981 MB...28.97 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING FOR NANTUCKET...AND FOR CAPE COD FROM  
PROVINCETOWN TO WOODS HOLE HAS BEEN DISCONTINUED.

HIGH WIND WARNINGS...FOR WINDS IN EXCESS OF 40 MPH...ARE IN EFFECT FOR PORTIONS  
OF EASTERN MAINE.

DISCUSSION AND 48-HOUR OUTLOOK

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ARTHUR IS MOVING TOWARD THE NORTHEAST NEAR 22 MPH AND THIS MOTION  
IS EXPECTED TO CONTINUE WITH A DECREASE IN FORWARD SPEED DURING  
THE NEXT DAY OR SO. ON THE FORECAST TRACK...THE CENTER OF ARTHUR  
WILL BE CROSSING NEAR OR OVER WESTERN NOVA SCOTIA IN THE NEXT FEW  
HOURS.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 70 MPH WITH HIGHER GUSTS.  
SOME ADDITIONAL WEAKENING IS FORECAST AND  
ARTHUR IS EXPECTED TO BECOME POST-TROPICAL LATER TODAY.

THE MINIMUM CENTRAL PRESSURE ESTIMATED FROM AN AIR FORCE RECONNAISSANCE  
AIRCRAFT WAS 981 MB...28.97 INCHES.

HAZARDS AFFECTING LAND

-----  
WIND...WINDS IN EXCESS OF 40 MPH ARE EXPECTED OVER PORTIONS OF EASTERN MAINE TODAY...BEHIND A COLD FRONT OVERTAKING THE CIRCULATION OF ARTHUR.

STORM SURGE...COASTAL FLOODING IS STILL POSSIBLE ALONG CAPE COD TODAY.

RAINFALL...RAINFALL ACCUMULATIONS OF 2 TO 4 INCHES ARE EXPECTED OVER FAR EASTERN MAINE.

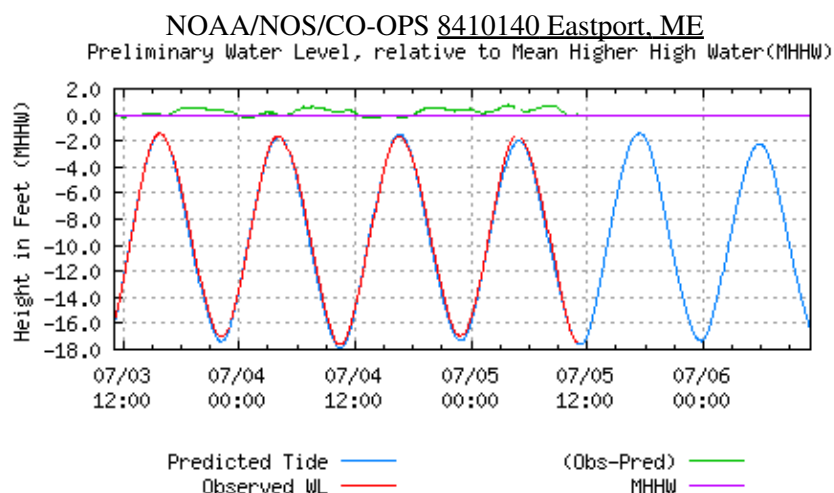
SURF...SWELLS GENERATED BY ARTHUR ARE STILL AFFECTING PORTIONS OF THE MID-ATLANTIC AND NORTHEAST UNITED STATES. THESE SWELLS ARE EXPECTED TO CAUSE LIFE-THREATENING SURF AND RIP CURRENTS. FOR MORE INFORMATION...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Eastport - Water Level](#), [Eastport - Winds](#), [Eastport - Barometric](#), [Eastport - Air/Water Temp](#), [Cutler Farris Wharf - Water Level](#), [Cutler Farris Wharf - Winds](#), [Cutler Farris Wharf - Barometric](#), [Cutler Farris Wharf - Air/Water Temp](#), [Portland - Water Level](#), [Portland - Barometric](#), [Wells - Water Level](#), [Wells - Winds](#), [Chatham - Water Level](#), [Chatham - Winds](#), [Nantucket Island - Water Level](#), [Nantucket Island - Winds](#), [Nantucket Island - Barometric](#), [Nantucket Island - Air/Water Temp](#), [Woods Hole - Water Level](#), [Woods Hole - Barometric](#)

Tropical Storm ARTHUR QuickLook, POSTED 06:00 EDT 07/05/2014

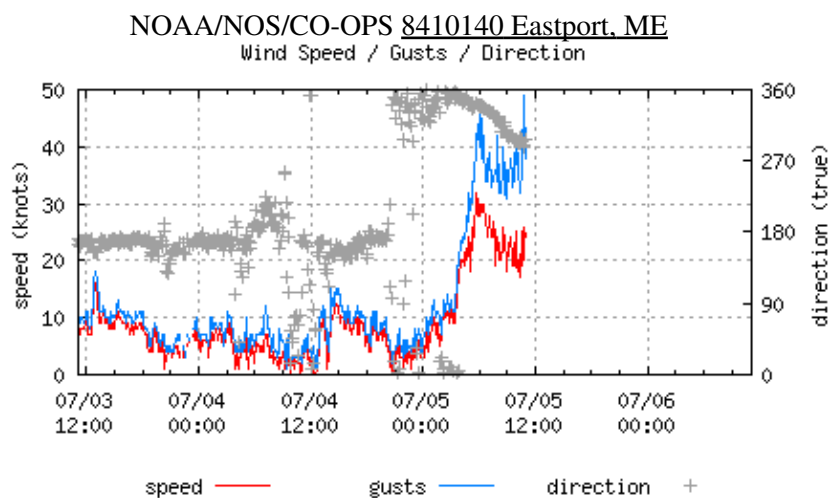


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -17.41 ft. Predicted: -17.53 ft. Residual: 0.12 ft.

Historical Maximum Water Level: Jan 10 1997, 4.95 ft.

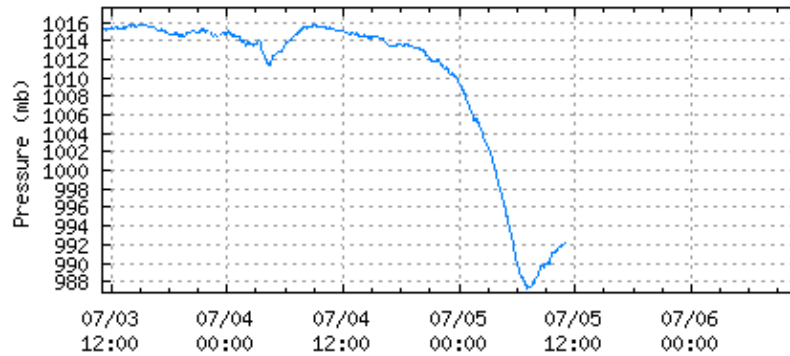
Next High Tide: 07/05/2014 17:24 (EDT), -1.43 ft.



Last Observed Sample: 07/05/2014 11:00 (EDT)

Wind Speed: 16 knots Gusts: 38 knots Direction: 293° T

NOAA/NOS/CO-OPS 8410140 Eastport, ME  
Barometric Pressure

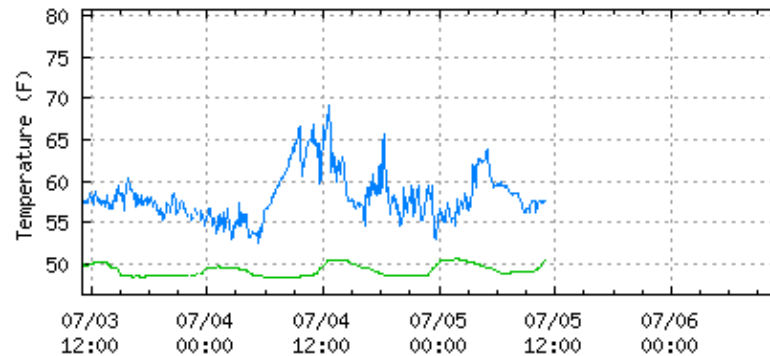


barometric pressure —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Barometric Pressure: 992.5 mb

NOAA/NOS/CO-OPS 8410140 Eastport, ME  
Air / Water Temperature

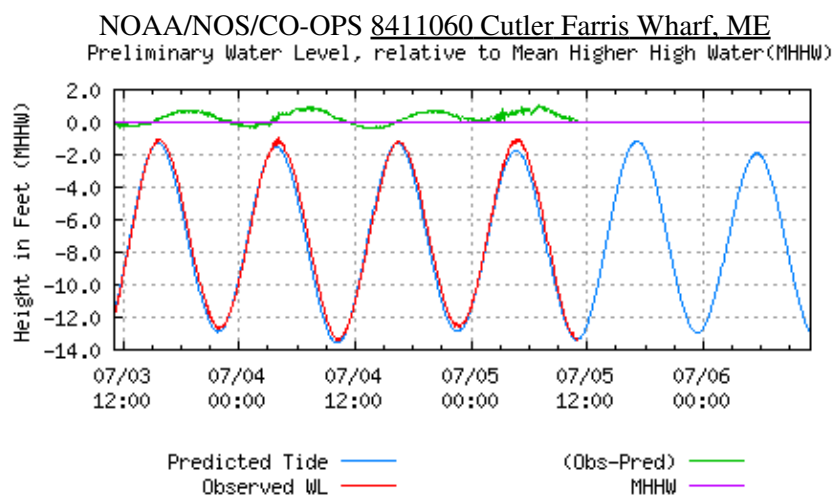


water temp. —

air temp —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Water Temperature: 50.5° F Air Temperature: 57.4° F

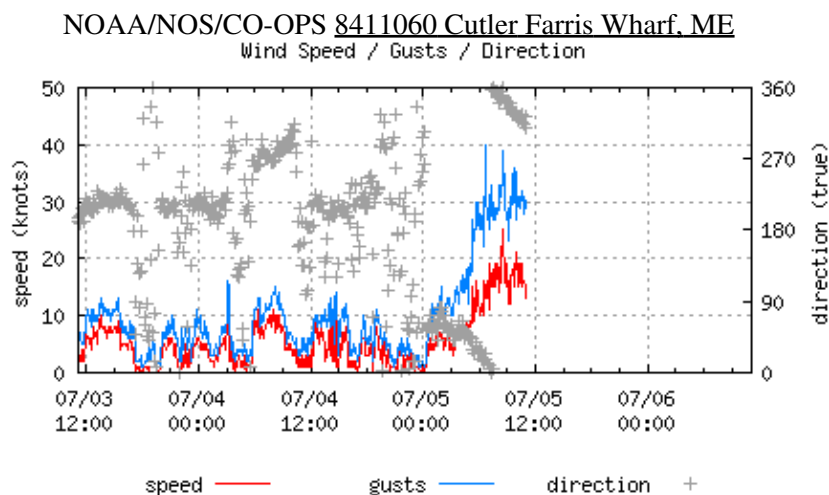


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -13.37 ft. Predicted: -13.37 ft. Residual: 0.00 ft.

Historical Maximum Water Level: Oct 28 2011, 3.64 ft.

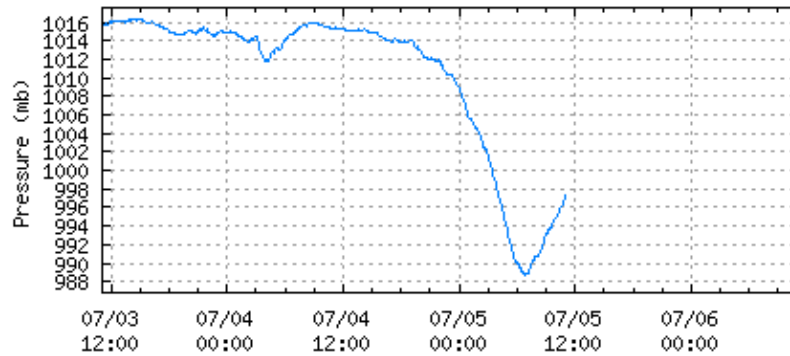
Next High Tide: 07/05/2014 17:10 (EDT), -1.19 ft.



Last Observed Sample: 07/05/2014 11:00 (EDT)

Wind Speed: 13 knots Gusts: 29 knots Direction: 323° T

NOAA/NOS/CO-OPS 8411060 Cutler Farris Wharf, ME  
Barometric Pressure

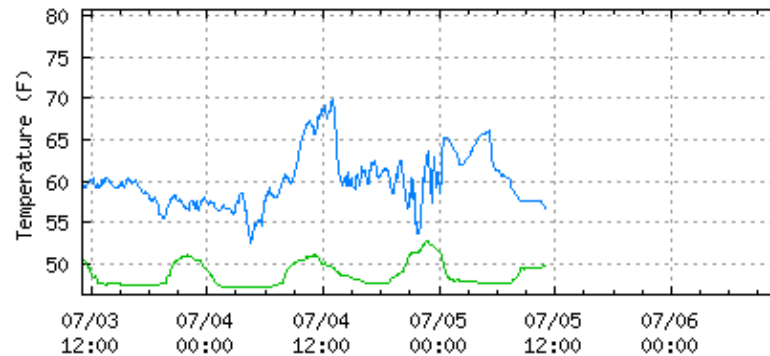


barometric pressure —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Barometric Pressure: 997.3 mb

NOAA/NOS/CO-OPS 8411060 Cutler Farris Wharf, ME  
Air / Water Temperature

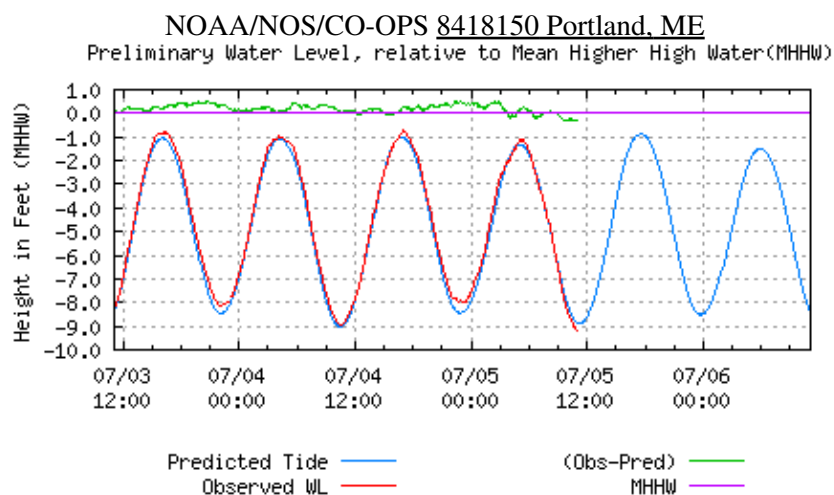


water temp. —

air temp —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Water Temperature: 49.8° F Air Temperature: 56.7° F

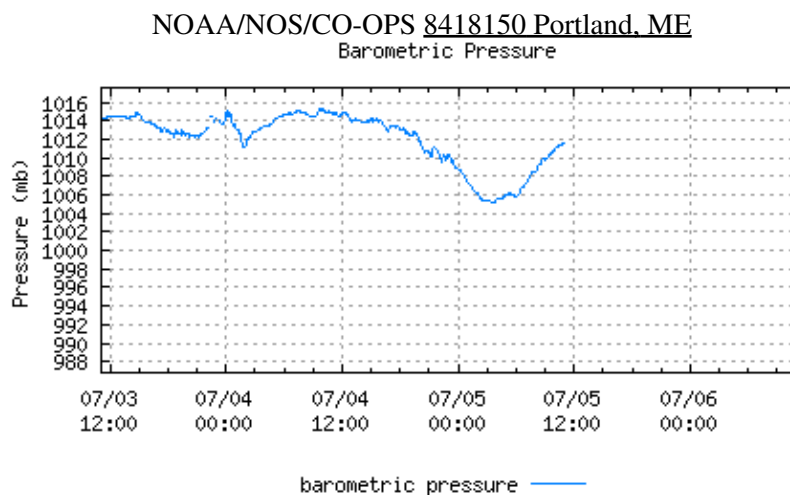


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -9.22 ft. Predicted: -8.85 ft. Residual: -0.37 ft.

Historical Maximum Water Level: Feb 7 1978, 4.22 ft.

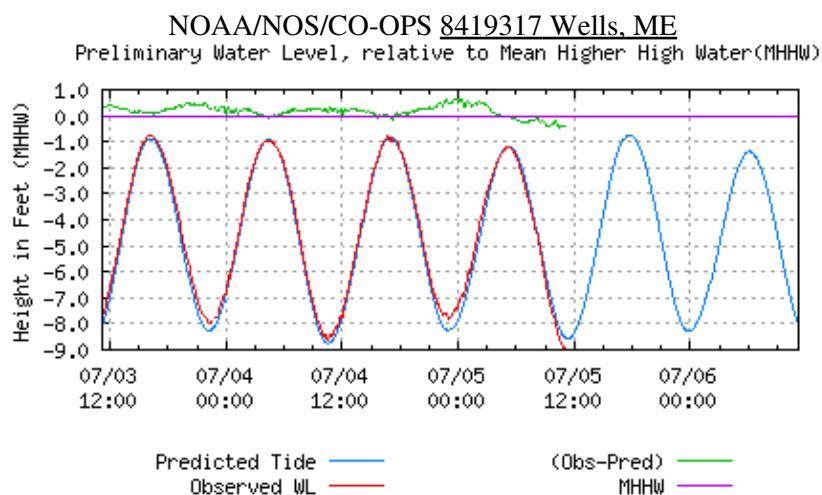
Next High Tide: 07/05/2014 17:33 (EDT), -0.87 ft.



Last Observed Sample: 07/05/2014 11:00 (EDT)

Barometric Pressure: 1011.6 mb



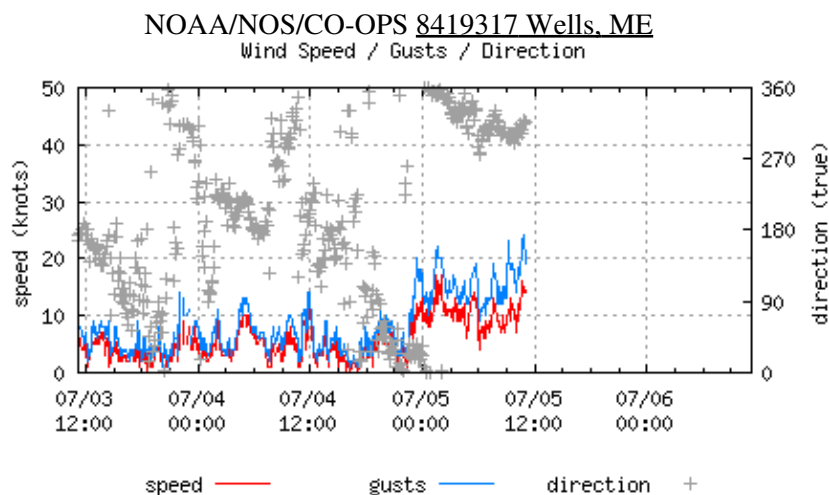


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -8.95 ft. Predicted: -8.52 ft. Residual: -0.43 ft.

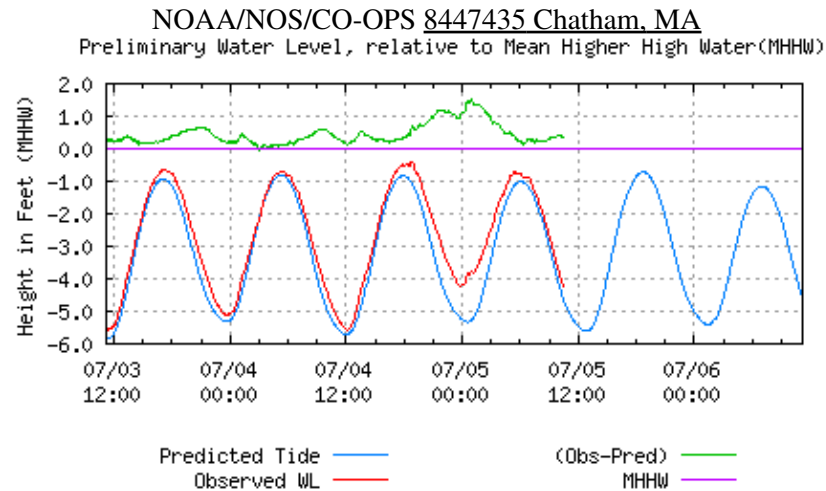
Historical Maximum Water Level: Apr 16 2007, 3.59 ft.

Next High Tide: 07/05/2014 17:44 (EDT), -0.74 ft.



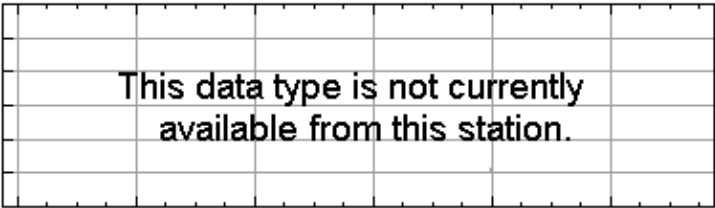
Last Observed Sample: 07/05/2014 11:00 (EDT)

Wind Speed: 14 knots Gusts: 19 knots Direction: 316° T

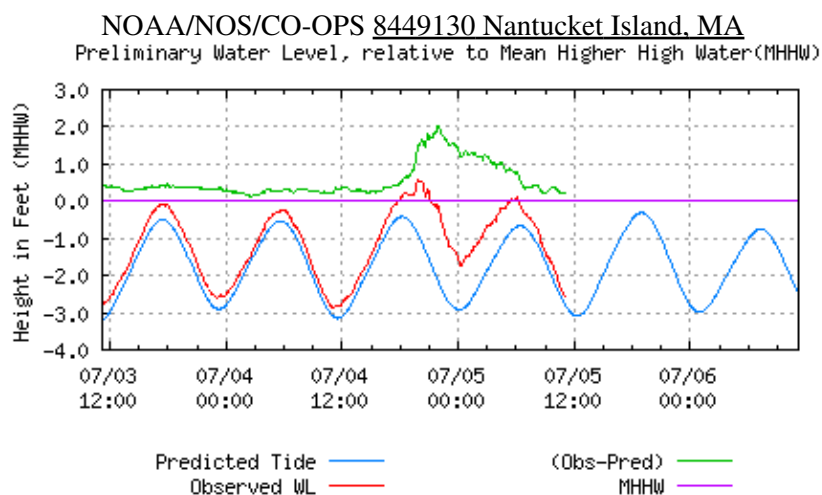


Last Observed Sample: 07/05/2014 10:24 (EDT). Data relative to MHHW  
**Observed: -4.22 ft. Predicted: -4.59 ft. Residual: 0.37 ft.**  
Historical Maximum Water Level: Feb 26 2010, 2.96 ft.  
Next High Tide: 07/05/2014 18:40 (EDT), -0.72 ft.

NOAA/NOS/CO-OPS 8447435 Chatham, MA  
NOAA/NOS/CO-OPS



Last Observed Sample: 07/05/2014 10:24 (EDT)  
**Wind Speed: n/a Gusts: n/a Direction: n/a**

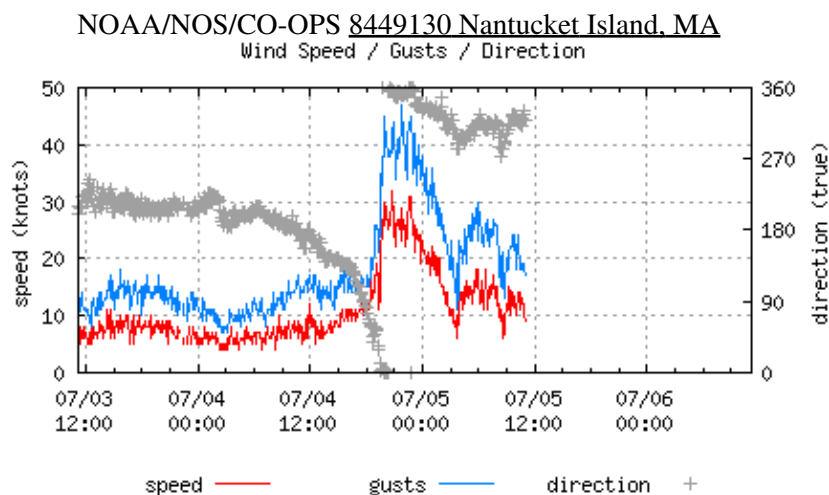


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -2.55 ft. Predicted: -2.76 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Oct 30 1991, 4.29 ft.

Next High Tide: 07/05/2014 18:57 (EDT), -0.31 ft.

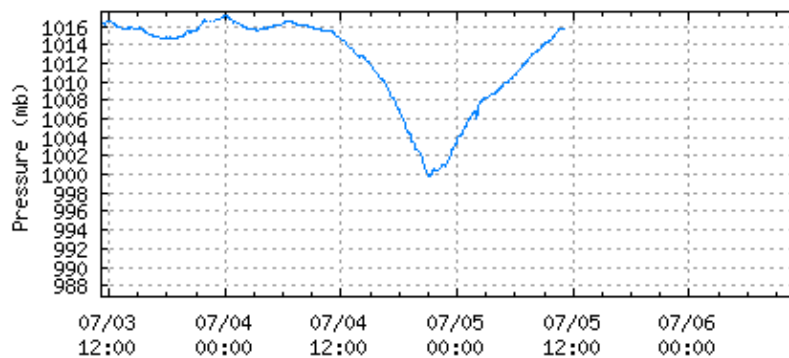


Last Observed Sample: 07/05/2014 11:00 (EDT)

Wind Speed: 9 knots Gusts: 17 knots Direction: 320° T

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA

Barometric Pressure



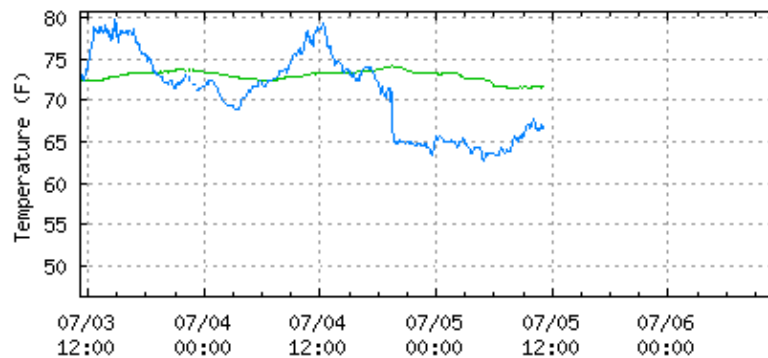
barometric pressure —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Barometric Pressure: 1015.8 mb

NOAA/NOS/CO-OPS 8449130 Nantucket Island, MA

Air / Water Temperature

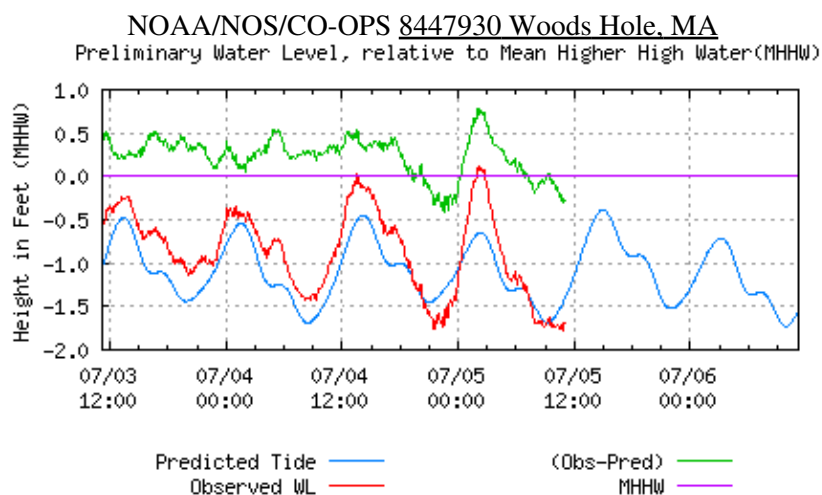


water temp. —

air temp —

Last Observed Sample: 07/05/2014 11:00 (EDT)

Water Temperature: 71.6° F Air Temperature: 66.7° F

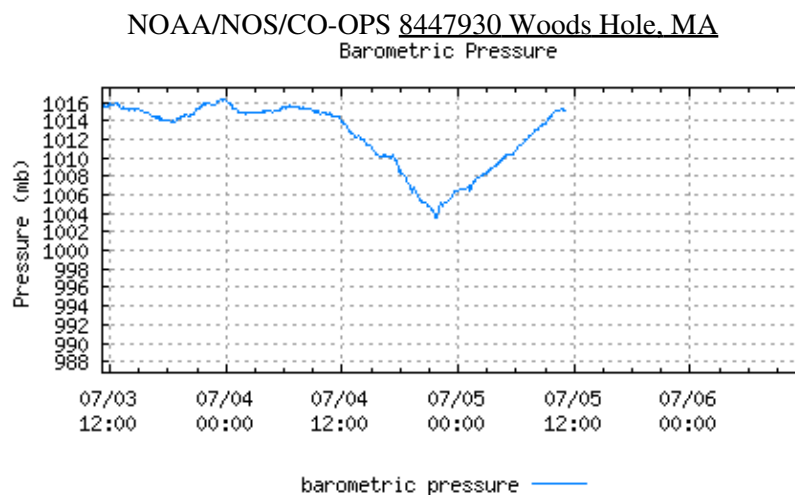


Last Observed Sample: 07/05/2014 11:00 (EDT). Data relative to MHHW

Observed: -1.69 ft. Predicted: -1.41 ft. Residual: -0.28 ft.

Historical Maximum Water Level: Sep 21 1938, 8.58 ft.

Next High Tide: 07/05/2014 15:00 (EDT), -0.39 ft.



Last Observed Sample: 07/05/2014 11:00 (EDT)

Barometric Pressure: 1015.2 mb

Tropical Storm ARTHUR QuickLook, POSTED 06:00 EDT 07/05/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8410140	Eastport, ME	07/05/2014 11:00 (EDT)	-17.41 ft	-17.53 ft	0.12 ft	-1.62 ft
8411060	Cutler Farris Wharf, ME	07/05/2014 11:00 (EDT)	-13.37 ft	-13.37 ft	0.00 ft	-1.02 ft
8418150	Portland, ME	07/05/2014 11:00 (EDT)	-9.22 ft	-8.85 ft	-0.37 ft	-0.72 ft
8419317	Wells, ME	07/05/2014 11:00 (EDT)	-8.95 ft	-8.52 ft	-0.43 ft	-0.78 ft
8447435	Chatham, MA	07/05/2014 10:24 (EDT)	-4.22 ft	-4.59 ft	0.37 ft	-0.39 ft
8449130	Nantucket Island, MA	07/05/2014 11:00 (EDT)	-2.55 ft	-2.76 ft	0.21 ft	0.58 ft
8447930	Woods Hole, MA	07/05/2014 11:00 (EDT)	-1.69 ft	-1.41 ft	-0.28 ft	0.12 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce